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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/774,385	02/10/2004	Raghavan Sudhakar	42339-199423 1132	
26694 VENABLE LL	26694 7590 01/03/2008 EXAMINER		INER	
P.O. BOX 3438		MAI, TAN V		
WASHINGTON, DC 20043-9998		ART UNIT	PAPER NUMBER	
			2193	
		•	MAIL DATE	DELIVERY MODE
			01/03/2008	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

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		Application No.	Applicant(s)			
Office Action Summary		10/774,385	SUDHAKAR, RAGHAVAN			
		Examiner	Art Unit			
		Tan V. Mai	2193			
- The MAILING DATE of this communication appears on the cover sheet with the correspondence address - Period for Reply						
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).						
Status			•			
1)⊠	Responsive to communication(s) filed on 10/18	8 & 11/19/07				
·	This action is FINAL . 2b) ☐ This action is non-final.					
′—	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is					
٠,١	closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.					
Disposition of Claims						
	<u> </u>					
•	Claim(s) <u>1,3-12,14-18 and 20-38</u> is/are pending in the application.					
	4a) Of the above claim(s) <u>21-38</u> is/are withdrawn from consideration.					
,	5) Claim(s) is/are allowed.					
·	Claim(s) <u>1,3-12,14-18 and 20</u> is/are rejected.					
• ==	Claim(s) is/are objected to.	alastian raquiroment				
اــا(٥	Claim(s) are subject to restriction and/or	election requirement.				
Applicati	on Papers		• .			
9)[]	The specification is objected to by the Examine	r.				
10) The drawing(s) filed on is/are: a) □ accepted or b) □ objected to by the Examiner.						
	Applicant may not request that any objection to the	drawing(s) be held in abeyance. See	e 37 CFR 1.85(a).			
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).						
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.						
Priority u	ınder 35 U.S.C. § 119					
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of:						
	1. Certified copies of the priority documents have been received.					
	2. Certified copies of the priority documents have been received in Application No					
	3. Copies of the certified copies of the priority documents have been received in this National Stage					
application from the International Bureau (PCT Rule 17.2(a)).						
* See the attached detailed Office action for a list of the certified copies not received.						
	·					
Attachment(s)						
1) Notice of References Cited (PTO-892) 4) Interview Summary (PTO-413) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) Paper No(s)/Mail Date						
3) Inform	e of Draftsperson's Patent Drawing Review (PTO-948) nation Disclosure Statement(s) (PTO-1449 or PTO/SB/08) r No(s)/Mail Date		ratent Application (PTO-152)			

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1. 35 U.S.C. 101 reads as follows:

Whoever invents or discovers any new and useful process, machine, manufacture, or composition of matter, or any new and useful improvement thereof, may obtain a patent therefor, subject to the conditions and requirements of this title.

2. Claims 1, 3-12, 14-18 and 20 are rejected under 35 U.S.C. 101 because the claimed invention is directed to non-statutory subject matter.

Rejection grounds continue to be those set forth in the previous office action (Paper dated 8/28/07, paragraph 2).

3. Applicants' arguments filed on 10/18/07 have been fully considered but they are not persuasive.

Applicants, in his remarks, argues that:

(1) "Claim 1 is directed to an apparatus producing a **useful result** (e.g., the claimed multiplier provides a product of contents of first and second registers and the third register receives said product). Independent claim 10 recites a system including a computational apparatus similar to the apparatus of claim 1. Independent claim 18 recites a method features similar to claim 1. Accordingly, independent claims 1, 10 and 18 all fall within at least one of the enumerated statutory categories of 35 U.S.C. § 101 (i.e., a machine, article of manufacture, or process) "(emphasis added).

With respect to the arguments, the examiner carefully reviews Applicant's specification, and claimed invention. Applicant hasn't pointed out how/why the claim produces a **useful**, **concrete**, **and tangible result**. If the claim as a whole is reasonably interpreted as just solving a mathematical algorithm rather than reciting a practical application of the algorithm which produces a useful, concrete and tangible result, then it would be non-statutory. The claims merely disclose elements / steps of performing

mathematical function. Therefore, the claims are not limited to a practical application of the mathematical algorithm because the result, a number, is **not** a real-world result. It is clearly that the invention as recited in the claims is not being applied to appropriate subject matter because the invention merely involves in calculations and manipulations of data in performing a mathematical operation. The claimed invention performs mathematical operation on a list of numbers to produce output results that are also numbers, in accordance with an algorithm, without a practical application for the invention to produce a useful, concrete and tangible result. The claimed invention clearly does not transform an article or physical object to a different state or thing. The result produced by claimed invention is merely number. It does not have a real world value since the claimed invention is not for any practical application, and thus is not useful. Therefore, the rejection is still proper.

4. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of

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the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tan V. Mai whose telephone number is (571) 272-3726. The examiner can normally be reached on Mon-Wed. from 9:30am to 2:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Meng-Ai An, can be reached on (571) 272-3756. The fax phone number for the organization where this application or proceeding is assigned is:

Official

(571) 273-8300.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (571) 272-2100.

Tan V. Mai Primary Examiner

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